

Paper # 5
8/30/2000
OIPE

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RAW SEQUENCE LISTING DATE: 08/30/2000
PATENT APPLICATION: US/09/643,260 TIME: 14:27:40

Input Set : A:\Yu5066ul.app
Output Set: N:\CRF3\08302000\I643260.raw

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3 <110> APPLICANT: May, Michael J.
4 Ghosh, Sankar
6 <120> TITLE OF INVENTION: Inhibition of NF-kappa B Activation by Blockade of IKK
7 beta-NEMO Interactions at the NEMO Binding Domain
9 <130> FILE REFERENCE: 44574-5066-US
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/643,260
C--> 12 <141> CURRENT FILING DATE: 2000-08-22
14 <150> PRIOR APPLICATION NUMBER: US 60/201,261
15 <151> PRIOR FILING DATE: 2000-05-02
17 <160> NUMBER OF SEQ ID NOS: 27
19 <170> SOFTWARE: PatentIn Ver. 2.1
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22 <211> LENGTH: 33
23 <212> TYPE: DNA
24 <213> ORGANISM: Homo sapiens
26 <220> FEATURE:
27 <223> OTHER INFORMATION: NEMO binding domain (NBD) of wild type IKK beta
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36 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD peptide
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44 1 5
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50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
54 peptide sequence
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57 Leu Asp Ala Ser Ala Leu
58 1 5
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62 <211> LENGTH: 6
63 <212> TYPE: PRT
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
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68 peptide sequence
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71 Ala Asp Trp Ser Trp Leu
72 1 5
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77 <212> TYPE: PRT
78 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
82 peptide sequence
84 <400> SEQUENCE: 5
85 Leu Asp Trp Ser Trp Ala
86 1 5
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90 <211> LENGTH: 6
91 <212> TYPE: PRT
92 <213> ORGANISM: Artificial Sequence
94 <220> FEATURE:
95 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
96 peptide sequence
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99 Ala Asp Trp Ser Trp Ala
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104 <211> LENGTH: 6
105 <212> TYPE: PRT
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
110 peptide sequence
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113 Leu Ala Trp Ser Trp Leu
114 1 5
117 <210> SEQ ID NO: 8
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119 <212> TYPE: PRT
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
124 peptide sequence
126 <400> SEQUENCE: 8
127 Leu Glu Trp Ser Trp Leu
128 1 5
131 <210> SEQ ID NO: 9
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134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
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142 1 5
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156 1 5
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164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
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170 1 5
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183 Leu Asp Tyr Ser Trp Leu
184 1 5
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188 <211> LENGTH: 6
189 <212> TYPE: PRT
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198 1 5
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202 <211> LENGTH: 6
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204 <213> ORGANISM: Artificial Sequence
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207 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant

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212 1 5
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214 <211> LENGTH: 6
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218 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
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221 Leu Asp Trp Ser Tyr Leu
222 1 5
223 <210> SEQ ID NO: 16
224 <211> LENGTH: 6
225 <212> TYPE: PRT
226 <213> ORGANISM: Artificial Sequence
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228 <223> OTHER INFORMATION: Description of Artificial Sequence: NBD mutant
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231 Leu Asp Trp Ala Trp Leu
232 1 5
233 <210> SEQ ID NO: 17
234 <211> LENGTH: 6
235 <212> TYPE: PRT
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242 1 5
243 <210> SEQ ID NO: 18
244 <211> LENGTH: 6
245 <212> TYPE: PRT
246 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
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252 1 5 10 15
253 <210> SEQ ID NO: 19
254 <211> LENGTH: 28
255 <212> TYPE: PRT
256 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Description of Artificial Sequence: Wild type NBD
259 peptide sequence
260 <400> SEQUENCE: 18
261 Asp Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys
262 1 5 10 15
263 Lys Thr Ala Leu Asp Trp Ser Trp Leu Gln Thr Glu
264 20 25
265 <210> SEQ ID NO: 19
266 <211> LENGTH: 28
267 <212> TYPE: PRT

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Input Set : A:\Yu5066ul.app
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277 <213> ORGANISM: Artificial Sequence
 279 <220> FEATURE:
 280 <223> OTHER INFORMATION: Description of Artificial Sequence: Mutant NBD
 281 peptide
 283 <400> SEQUENCE: 19
 284 Asp Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys
 285 1 5 10 15
 287 Lys Thr Ala Leu Asp Ala Ser Ala Leu Gln Thr Glu
 288 20 25
 291 <210> SEQ ID NO: 20
 292 <211> LENGTH: 30
 293 <212> TYPE: DNA
 294 <213> ORGANISM: Artificial Sequence
 296 <220> FEATURE:
 297 <223> OTHER INFORMATION: Description of Artificial Sequence: RT-PCR primer
 299 <400> SEQUENCE: 20
 300 atagacgaat tcaataggca cctctggaaag 30
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 304 <211> LENGTH: 31
 305 <212> TYPE: DNA
 306 <213> ORGANISM: Artificial Sequence
 308 <220> FEATURE:
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 317 <212> TYPE: DNA
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 320 <220> FEATURE:
 321 <223> OTHER INFORMATION: Description of Artificial Sequence: Forward PCR
 322 primer
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 329 <211> LENGTH: 33
 330 <212> TYPE: DNA
 331 <213> ORGANISM: Artificial Sequence
 333 <220> FEATURE:
 334 <223> OTHER INFORMATION: Description of Artificial Sequence: Reverse PCR
 335 primer
 337 <400> SEQUENCE: 23
 338 ctatgtctta gattagacat caggaggtgc tgg 33
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 342 <211> LENGTH: 18
 343 <212> TYPE: DNA
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 346 <220> FEATURE:
 347 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA sequence

VERIFICATION SUMMARY DATE: 08/30/2000
PATENT APPLICATION: US/09/643,260 TIME: 14:27:41

Input Set : A:\Yu5066ul.app
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L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date